

FORM CY100 CYCLONES

Submit the following information with your application for an authority to construct and permit to operate:

1. **EQUIPMENT LOCATION DRAWING.** The drawing or sketch submitted must show at least the following:
 - a. The property involved and outlines and heights of all buildings on it. Identify property lines plainly.
 - b. Location and identification of each piece of equipment the exhaust system is to serve.
 - c. Location of the ductwork and the cyclones. Use lines to show ducts and include the outlines of the cyclones and any pre-cleaners.

2. **DESCRIPTION OF EQUIPMENT.** Submit the following equipment information:
 - a. Make, model, size, type, capacity of the cyclone; and make, model, size, volume of air (cubic feet per minute) to be handled by the fan.
 - c. Means of disposal of collected air contaminants and procedures to be used for preventing losses when emptying the cyclone.
 - d. State pressure drop across the cyclone at design specifications.
 - e. Submit manufacturer's brochure describing the equipment installed.

3. **DRAWING OF CYCLONE.** Supply a drawing, dimensioned and to scale, showing the following (*if standard commercial equipment is to be installed, the manufacturer's catalog describing the equipment may be submitted*):
 - a. Overall width, height, and shape of cyclone. Show sizes and shapes of all important details.
 - b. Sizes and shapes of all gas or air passageways and hoppers or other parts used to contain the collected air contaminants.

4. **DESCRIPTION OF PROCESS.**
 - a. Detail type and total weight of each material charged into the cyclone or process on the basis of pounds per specified unit of time.
 - b. Specify the hours per day, days per week and weeks per year the cyclone is to be operated.
 - c. Show the flow of materials on a flow diagram or equipment drawing.